PATENT & TRADEMARK OFFICE JUL 09 2004 OIPE JC60

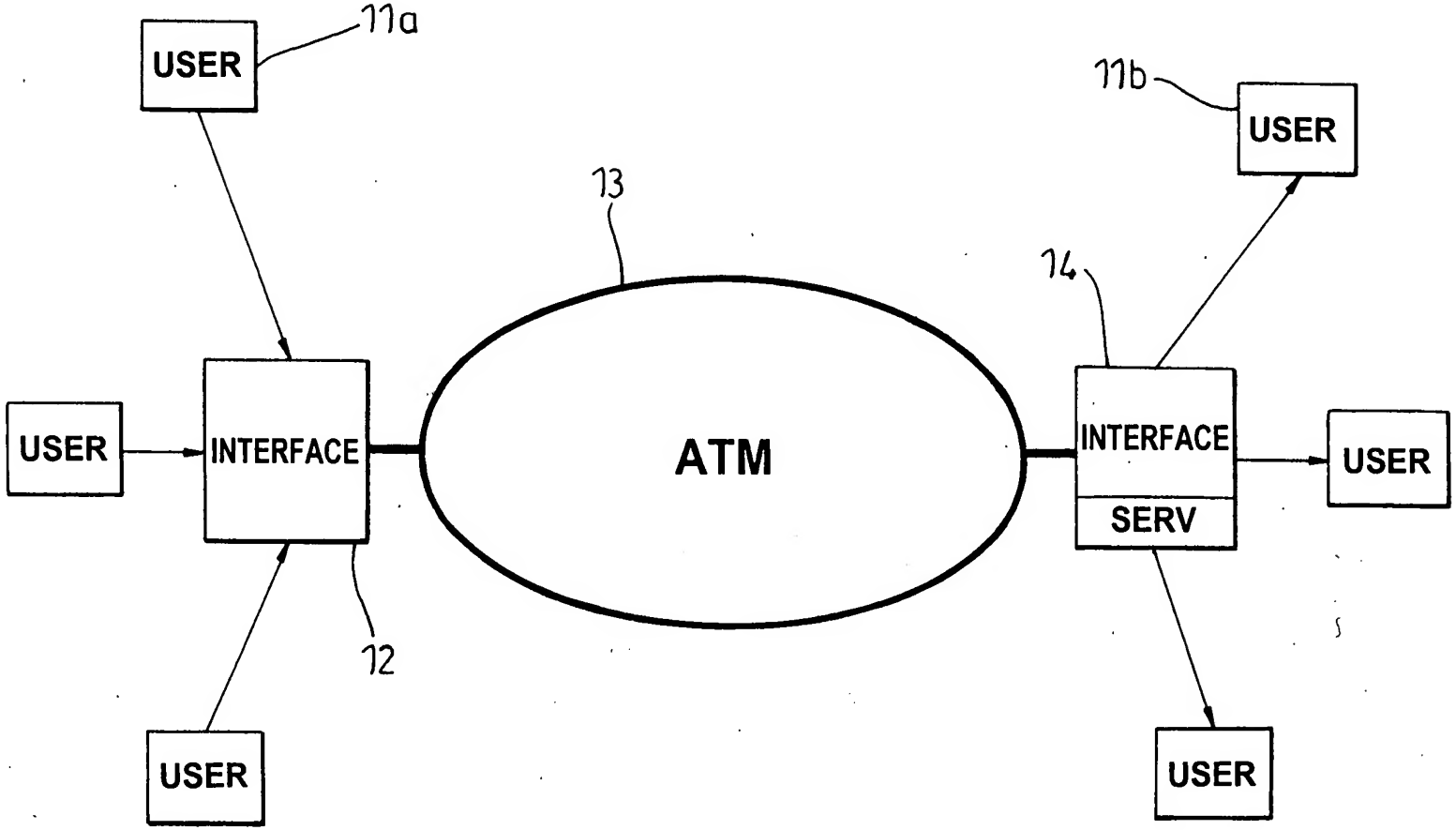


Fig. 1

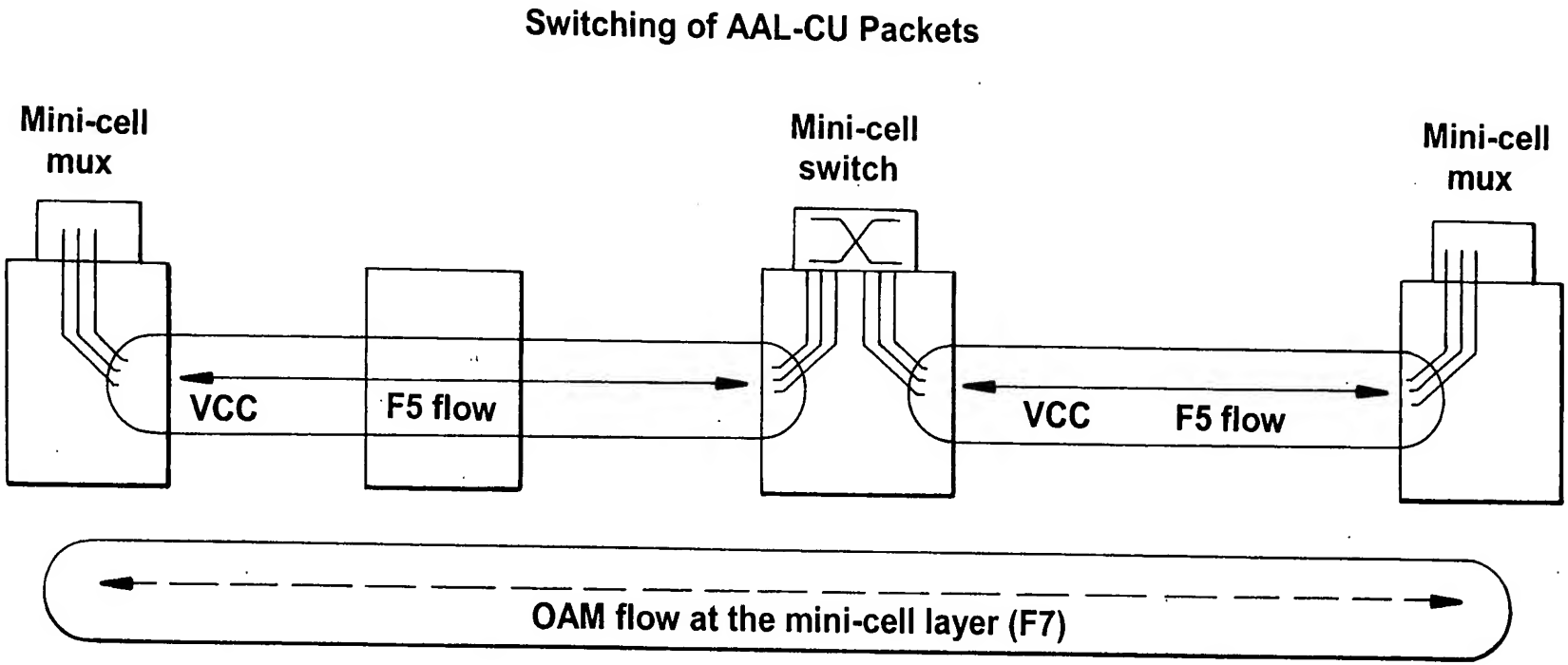

Switching of AAL-CU Packets
Mini-cell mux
Mini-cell switch
Mini-cell mux
VCC
F5 flow
VCC
F5 flow
OAM flow at the mini-cell layer (F7)

Fig. 2

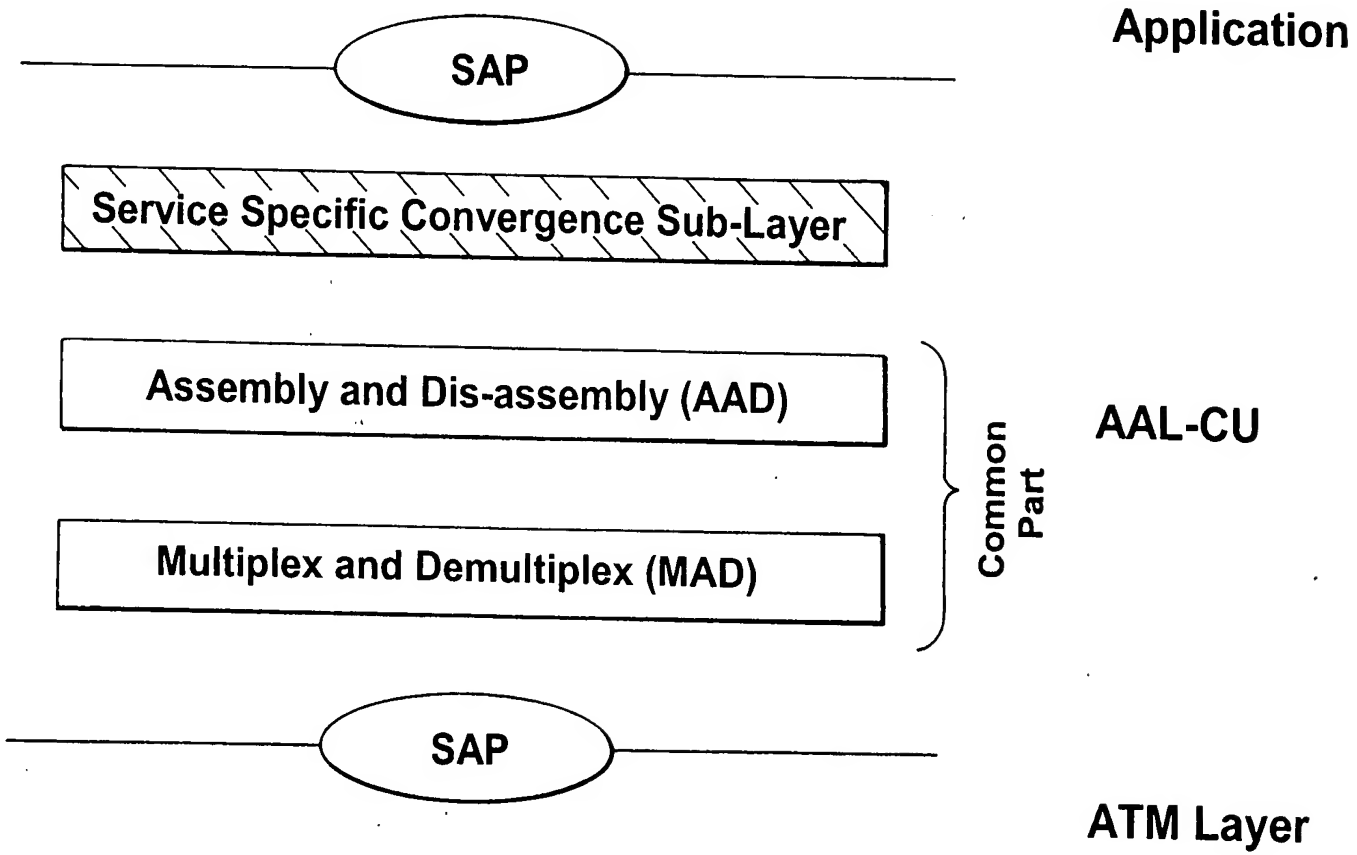

Application
SAP
Service Specific Convergence Sub-Layer
Assembly and Dis-assembly (AAD)
Multiplex and Demultiplex (MAD)
Common Part
AAL-CU
SAP
ATM Layer

Fig. 3

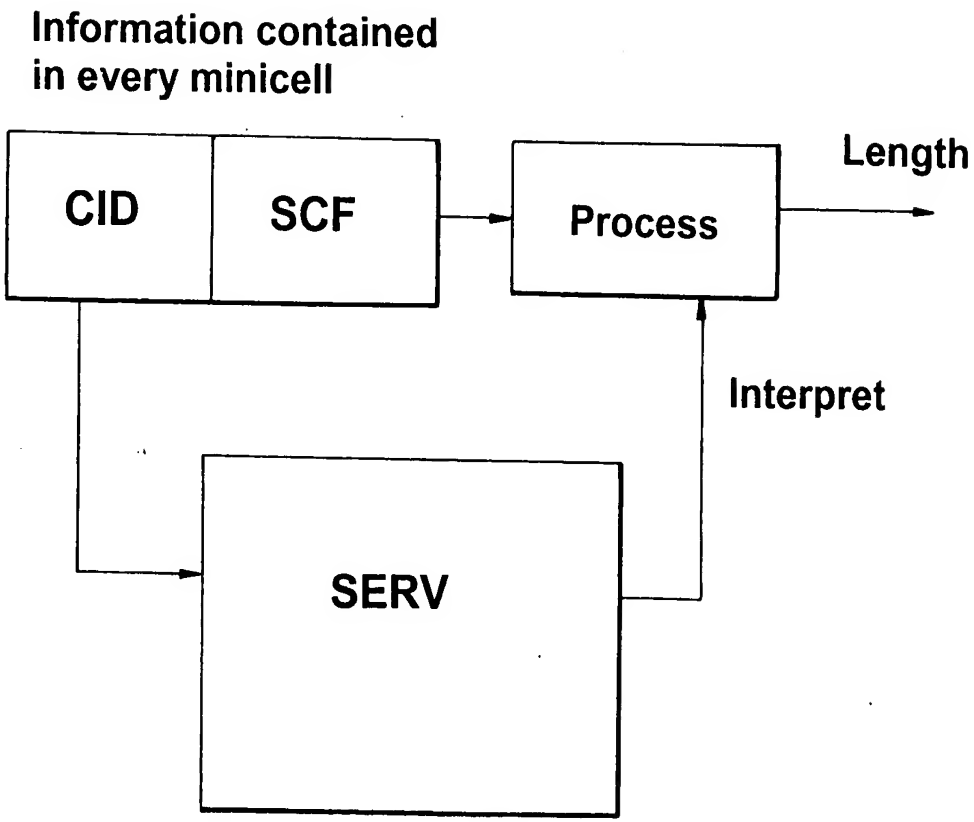

Information contained
in every minicell
CID
SCF
Process
Length
Interpret
SERV

Fig. 4

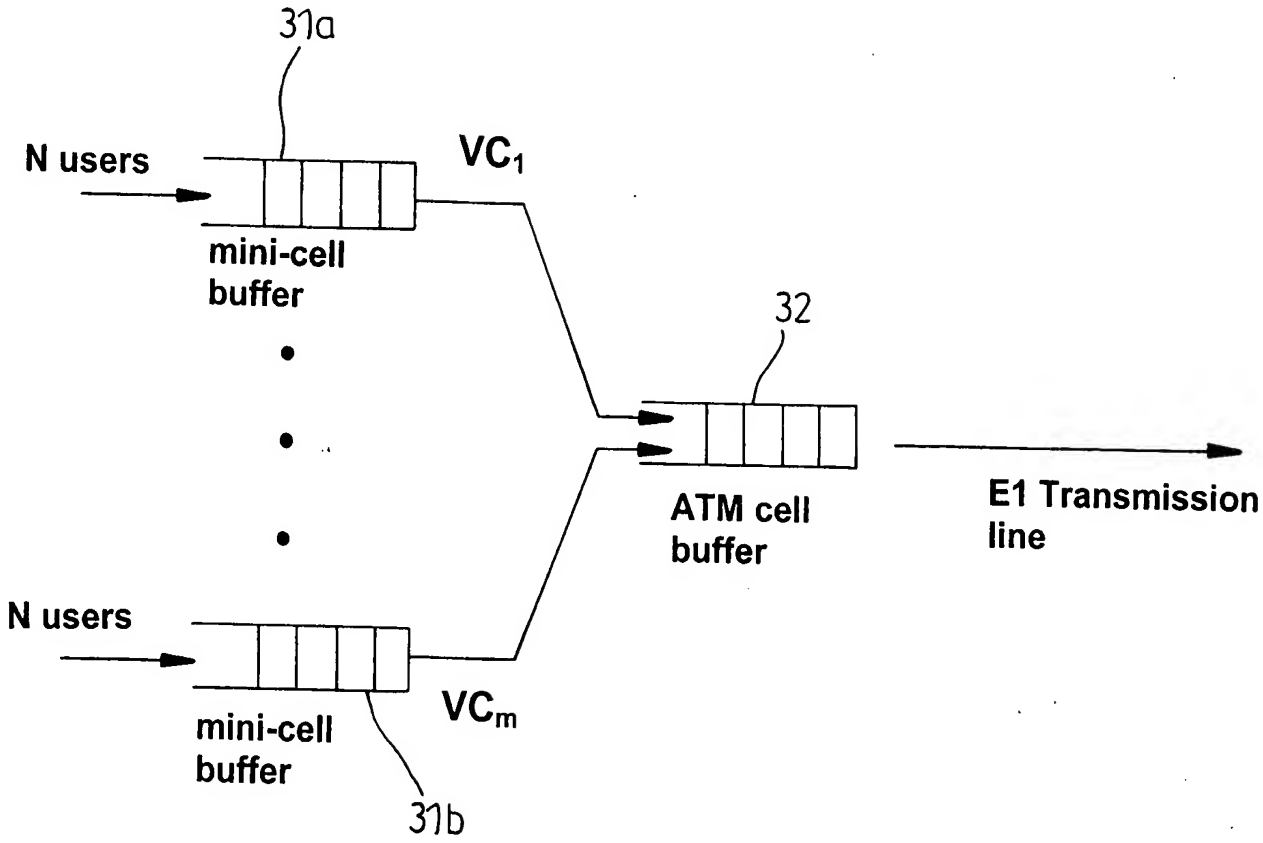
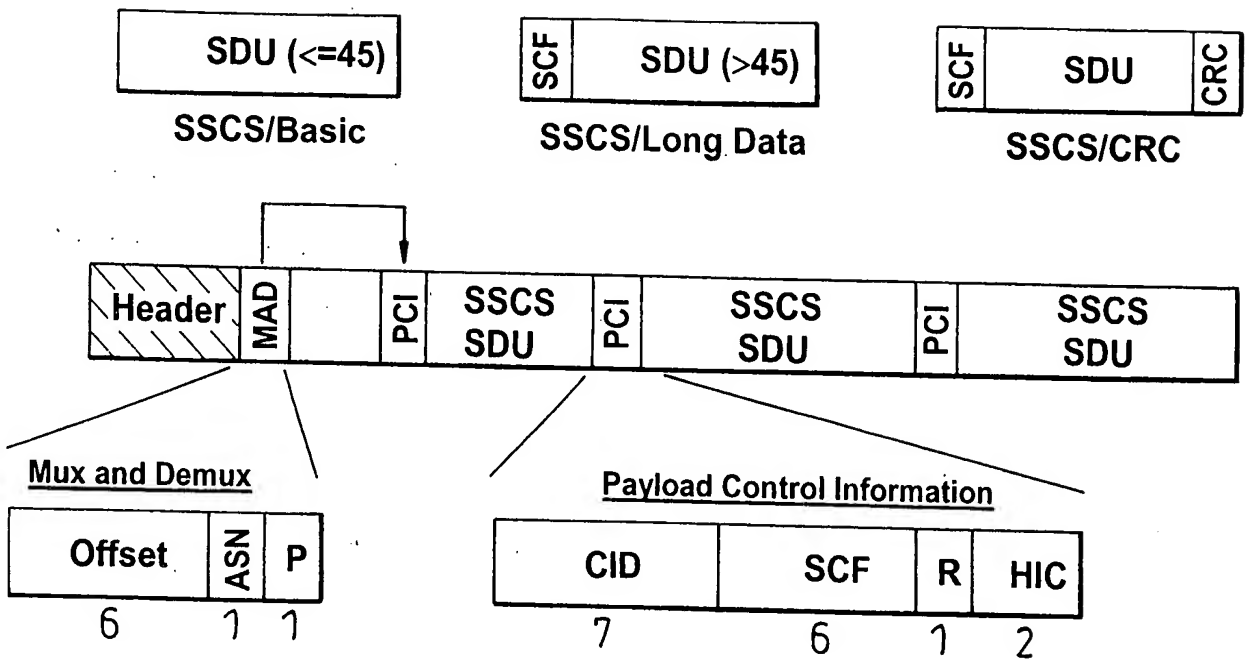

31a
N users
VC1
mini-cell
buffer
32
ATM cell
buffer
E1 Transmission
line
N users
VCm
mini-cell
buffer
31b

Fig. 5



Offset

000001
–
–
101111 } offsets to 1st mini-cell boundary

ASN — ATM Sequence No.

P — Even Parity

R — Reserved, e.g. Payload Type

HIC — Header Integrity Check (BIP-2/CRC-3)

CID — Channel Identifier

SCF — SSCS Control Field: (Meaning depends on CID an SSCS-SDU)

000001
–
–
101111 } e.g. explicit SDU length

xxxxxx e.g. code point, continuation, mini-cell sequence number, change-of-length indicator...

Fig. 6